

I. INTRODUCTION

Since January, 1967, the Department of Linguistics at Ohio State University has participated in the research program sponsored by the National Science Foundation through The Ohio State University Research Center in Computer and Information Sciences at The Ohio State University. There exist certain areas in which the research interests of the Department of Linguistics overlap with those of the Center. During the past year, research programs have been developed in three of these areas: syntactic and semantic theory, mathematical linguistics, and communication by spoken language (especially acoustic phonetics). A number of papers have resulted from this cooperation between the Department and the Center; these papers constitute the main body of the present report, tentatively called Working Papers in Linguistics.

The title Working Papers in Linguistics indicates the purpose of publishing the papers in their present form. Most of the papers will be eventually published through regular channels; however, as a part of the process of giving the papers their final form, we would like to present them to colleagues in the field for criticism and discussion.

The Department has research interests and programs in other fields of linguistics. It is expected that future Working Papers in Linguistics may contain papers whose preparation has been sponsored under other auspices. However, the present report serves as the first progress report for our participation in research sponsored by the National Science Foundation under NSF Grant GN-534.

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